CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

NOTE: *recorded in Microsoft word 6.0 - use tabs to change cells/fields*

STATE		FIELD OFFICE		DATE	

PRACTICE: 342 Critical Area Planting	NOTES:
RESOURCE: SOIL **RESOURCE CONCERN: EROSION**	**Help Message: Click on form field for choice lists. Tab key to move around. "N/A" is the default.**
RESOURCE INDICATORS	**PHYSICAL EFFECTS**
SHEET AND RILL	Significant decreases because of vegetative cover and reduced runoff.
WIND	Significant decrease because of vegetative cover.
EPHEMERAL GULLY	Significant decreases because of vegetative cover and reduced runoff.
CLASSIC GULLY	Slight to significant decreases because of vegetative cover and reduced runoff.
STREAMBANK	Moderate to slight decreases because of vegetative cover and reduced runoff.
IRRIGATION INDUCED	Significant decreases because of vegetative cover and reduced runoff.
SOIL MASS MOVEMENT	Slight to moderate decreases because of vegetative cover root mass, and depth of roots. Slight to moderate increase because of increased infiltration.
ROADBANK/CONSTRUCTION	Significant decreases because of vegetative cover, improved root mass and reduced runoff.
OTHER	
RESOURCE CONCERN: **SOIL CONDITION**	
SOIL TILTH	Moderate to significant decrease of vegetative cove, reduced tillage, and change in land use.
SOIL COMPACTION	Moderate to significant decrease of vegetative cove, reduced tillage, and change in land use.
SOIL CONTAMINATION	
• SALTS	Negligible to slight decreases because of plant uptake and increased infiltration.
• ORGANICS	Not applicable.
• FERTILIZERS	Not applicable.
• PESTICIDES	Not applicable.
• OTHER	
DEPOSITION/DAMAGE	
• ONSITE	Slight to significant decrease because of reduced runoff, vegetative cover and location of critical area.
• OFFSITE	Slight to significant decrease because of reduced runoff and vegetative cover at sediment source and location.
DEPOSITION/SAFETY	
• ONSITE	Significant decrease because of reduced runoff and sedimentation.
• OFFSITE	Moderate to significant decrease because of reduced runoff and sedimentation.
OTHER	

RESOURCE: **WATER** RESOURCE CONCERN: **WATER QUANTITY**	
SEEPS	Slight to moderate increase because of increased infiltration depending on species selected to site location
RUNOFF/FLOODING	Slight to moderate decrease because of increased infiltration.
EXCESS SUBSURFACE WATER	Negligible.
INADEQUATE OUTLETS	Negligible.
WATER MGT. IRRIGATION	
• SURFACE	Not applicable.
• SPRINKLER	Not applicable.
WATER MGT. NON-IRRIGATED	Slight to moderate decrease because reduced erosion and increase infiltration.
RESTRICTED FLOW CAPACITY (H20 convey.)	
• ONSITE	Significant decrease because of vegetative cover, reduced runoff, and sedimentation.
• OFFSITE	Moderate to significant because of vegetative cover, reduced runoff, and sedimentation.
RESTRICTED STORAGE	Light to significant decrease because of reduced erosion and sediment.
OTHER	

RESOURCE: **WATER** RESOURCE CONCERN**: WATER QUALITY**	
RESOURCE INDICATORS	**PHYSICAL EFFECTS**
GROUNDWATER CONTAMINANTS	
• PESTICIDES	Not applicable.
• NUTRIENTS AND ORGANICS	Not applicable.
• SALINITY	Slight decrease because of moisture and salt uptake by vegetation.
• HEAVY METALS	Negligible.
• PATHOGENS	Not applicable.
• OTHER	
SURFACE WATER CONTAMINANTS	
• PESTICIDES	Negligible.
• NUTRIENTS AND ORGANICS	Negligible.
• SUSPENDED SEDIMENTS	Moderate to significant decrease because of decrease sediment delivery of fine sediment.
• LOW DISSOLVED OXYGEN	Slight decrease because of reduced turbidity of runoff.
• SALINITY	Slight to moderate decrease because of reduced runoff and erosion.
• HEAVY METALS	Slight to moderate because of reduced erosion control and sediments yield.
• WATER TEMPERATURE	Negligible to slight decrease because of reduced sediment in water.
• PATHOGENS	Negligible.
AQUATIC HABITAT SUITABILITY	Negligible to significant because of improved dissolve oxygen and decreased sediment yield, turbidity, organic and other chemical and increased flow.
OTHER	

RESOURCE: **AIR** RESOURCE CONCERN: **AIR QUALITY**	
AIRBORNE SEDIMENT AND SMOKE PARTICLES	
• ONSITE SAFETY	Slight to significant decrease because of protective vegetative cover.
• OFFSITE SAFETY	Slight to significant decrease because of protective vegetative cover.
• ONSITE STRUCT. PROBLEMS	Slight to significant decrease because of protective vegetative cover.
• OFFSITE STRUCT. PROBLEMS	Slight to moderate decrease because of protective vegetative cover.
• ONSITE HEALTH	Slight to significant decrease because of protective vegetative cover.
• OFFSITE HEALTH	Slight to moderate decrease because of protective vegetative cover.
AIRBORNE SEDIMENT CAUSING CONVEYANCE PROBLEMS	Slight to moderate decrease because of protective vegetative cover.
AIRBORNE CHEMICAL DRIFT	Not applicable.
AIRBORNE ODORS	Not applicable.
FUNGI, MOLDS, AND POLLEN	Negligible.
OTHER	
RESOURCE CONCERN: **AIR CONDITION**	
AIR TEMPERATURE	Slight decrease because of vegetative cover effects on temperature extremes.
AIR MOVEMENT (windbreak effect)	Slight decrease because of retardant factor of vegetation.
HUMIDITY	Moderate to increase at ground level. Slight increase above plants.
OTHER	

RESOURCE: **PLANT** RESOURCE CONCERN: **SUITABILITY**	
RESOURCE INDICATORS	**PHYSICAL EFFECTS**
SITE ADAPTATION	Significant decrease because of proper plant selection and nutrient modification.
PLANT USE	Significant decrease because of proper plant selection .
OTHER	
RESOURCE CONCERN: **CONDITION**	
PRODUCTIVITY	Significant decrease because of proper plant selection of species, seeded at correct rates, and evenly planted.
HEALTH, VIGOR, SURVIVAL	Significant decrease because of improved vegetative management and plant selection.
OTHER	
RESOURCE CONCERN: **MANAGEMENT**	
ESTAB., GROWTH, HARVEST	Significant decrease because of proper selection of plants and management.
NUTRIENT MANAGEMENT	Moderate to significant decrease because of properly manage plants needs.
PESTS	Not applicable.
THREAT/ENDANGERED PLANTS	Significant decrease because of proper selection of threat/endangered plants and management.
OTHER	

RESOURCE: **ANIMAL** RESOURCE CONCERN: **HABITAT**	
FOOD	Slight to significant decrease because re-vegetating depending on size of area and plant species selected.
COVER/SHELTER	Slight to moderate decrease because of increased vegetation.
WATER (QUANTITY & QUALITY)	Significant decrease because reduced erosion and infiltration.
OTHER	
RESOURCE CONCERN: **MANAGEMENT**	
POPULATION BALANCE	Slight to significant decrease because of increased habitat quality.
THREAT/ENDANGERED ANIMALS	Slight to significant decrease because of increased threat/endangered habitat quality.
HEALTH	N/A
OTHER	
RESOURCE: **HUMAN** RESOURCE CONCERNS**: ECONOMIC CONSIDERATIONS**	
PLAN / COST EFFECTIVENESS	N/A
CLIENT FINANCIAL CONDITION	N/A
MARKETS FOR PRODUCTS	N/A
AVAILABLE LABOR	N/A
AVAILABLE EQUIPMENT	N/A

RESOURCE: **HUMAN** RESOURCE CONCERN: **SOCIAL CONSIDERATIONS**	
RESOURCE INDICATORS	**PHYSICAL EFFECTS**
PUBLIC HEALTH AND SAFETY	N/A
PRIVATE/PUBLIC VALUES	N/A
CLIENT CHARACTERISTICS	N/A
RISK TOLERANCE	N/A
TENURE	N/A
OTHER	
RESOURCE CONCERN: **CULTURAL CONSIDERATIONS**	
ABSENCE/PRESENCE OF CULTURAL RESOURCES	N/A
SIGNIFICANCE OF CULTURAL RESOURCES	N/A
MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS	N/A
OTHER	